

WHAT IS CLAIMED IS:

1. A low voltage luminaire assembly comprising:
 - a transformer having a power supply fitting and a power output fitting, said supply and output fittings adapted to respectively connect an end of an electrical power supply wire and an end of an electrical power output wire to said transformer, said supply and output fittings adapted for quick-release of said respective ends of said electrical power supply and output wires, said electrical power supply wire adapted to connect said transformer to an electrical power supply; and
 - a lamp holder having an electrical power supply connector and an electrical power output connector, said supply connector adapted for attachment of an opposing end of said electrical power output wire, said output connector adapted for attachment of another electrical power supply wire, said lamp holder adapted to receive a lamp.
2. The low voltage luminaire assembly of claim 1, wherein said transformer has an electrical protection system.
3. The low voltage luminaire assembly of claim 1, wherein said transformer is rated for between about 20 watts to about 60 watts.
4. The low voltage luminaire assembly of claim 1, wherein said transformer is adapted to receive about 120VAC and to output from about 11VDC to about 12VDC.
5. The low voltage luminaire assembly of claim 1, wherein said transformer includes a mountable side adapted to mount said transformer to an object.

6. The low voltage luminaire assembly of claim 5, wherein
said mountable side is mountable by selecting from the group consisting of
an adhesive, an adhesive tape, a screw, a bolt, a snap-fitting, a press-
fitting, a rivet, a nail, and combinations thereof.
7. The low voltage luminaire assembly of claim 1, wherein
said supply and output fittings are push-in wire connectors.
8. The low voltage luminaire assembly of claim 7, wherein
said push-in wire connectors are corrosion resistant.
9. The low voltage luminaire assembly of claim 1, wherein
said supply wire is rated for about 120VAC.
10. The low voltage luminaire assembly of claim 1, wherein
an electrical plug component is connected to said electrical power supply
wire.
11. The low voltage luminaire assembly of claim 10, wherein
said electrical plug component is adapted to pierce said electrical power
supply wire.
12. The low voltage luminaire assembly of claim 1, further comprising
a dimmer switch connected to said electrical power supply wire.
13. The low voltage luminaire assembly of claim 12, wherein
said dimmer switch is adapted to pierce said electrical power supply wire.

14. The low voltage luminaire assembly of claim 1, wherein
said lamp holder includes a second mountable side adapted for mounting
said lamp holder to an object.
15. The low voltage luminaire assembly of claim 14, wherein
said second mountable side is mountable by selecting from the group
consisting of an adhesive, an adhesive tape, a screw, a bolt, a nut, a
rivet, a nail, a pin, a snap-fitting, a press-fitting, and combinations
thereof.
16. The low voltage luminaire assembly of claim 1, wherein
said supply and output fittings have means for releasing one of said
respective ends of said electrical power supply and output wires.
17. The low voltage luminaire assembly of claim 16, wherein
said means for releasing is a quick-release device having a quick-release
button adapted to temporarily neutralize a spring constant.
18. The low voltage luminaire assembly of claim 1, wherein
said lamp is selected from the group consisting of an incandescent lamp, a
xenon lamp, a fluorescent lamp, a neon lamp, a halogen lamp, and
combinations thereof.
19. The low voltage luminaire assembly of claim 1, wherein
said lamp holder is a plurality of lamp holders.

20. A light assembly comprising:
a transformer having an electrical power supply push-in wiring terminal and an electrical power output push-in wiring terminal, said electrical power supply and output wiring terminals adapted for respectively connecting and disconnecting an electrical power supply wire and an electrical power output wire to said transformer.
21. The lighting assembly as in claim 20, wherein
said transformer has an electrical protection system.
22. The lighting assembly of claim 20, wherein
said transformer has a mountable side adapted for mounting said transformer to an object.
23. The lighting assembly of claim 22, wherein
said mountable side is mountable by selecting from the group consisting of an adhesive, an adhesive tape, a screw, a bolt, a nut, a rivet, a nail, a pin, a snap-fitting, a press-fitting, and combinations thereof.
24. The lighting assembly as in claim 20, wherein
said electrical power supply push-in and output wiring terminals are adapted for quickly releasing a wire.
25. The lighting assembly as in claim 20, wherein
a lamp holder has an input connector, said input connector adapted to be connected to said electrical power output wiring terminal of said transformer with a lamp holder lead wire.

26. The lighting assembly as in claim 25, wherein
said lamp holder is adapted to be connected to another lamp holder with
another lamp holder lead wire.
27. The lighting assembly as in claim 25, wherein
said lamp holder has a mountable side adapted to mount said lamp holder
to an object.
28. The lighting assembly as in claim 27, wherein
said mountable side is mountable by selecting from the group consisting of
an adhesive, an adhesive tape, a screw, a bolt, a nut, a rivet, a nail, a
pin, a snap-fitting, a press-fitting, and combinations thereof.
29. A method for installing a low voltage luminaire assembly, comprising the
steps of:
providing a low voltage luminaire assembly kit having a lamp holder and a
transformer;
attaching the lamp holder to an area;
attaching the transformer to the area; and
connecting a lead wire from the lamp holder to a capture and quick-release
fitting of the transformer.
30. The method as in claim 29, wherein
attaching the lamp holder comprises attaching a plurality of lamp holders.
31. The method as in claim 30, further comprising
linking at least two of the lamp holders via a lead wire.
32. The method as in claim 29, further comprising
connecting the transformer to a source of electrical power.

33. The method as in claim 31, further comprising
measuring a length of the lead wire required between each lamp holder.
34. The method as in claim 33, further comprising
cutting the lead wire to the required length.
35. The method as in claim 29, further comprising
mounting the lamp holder and the transformer by selecting from the group
consisting of an adhesive, an adhesive tape, a screw, a bolt, a nut, a
rivet, a nail, a pin, a snap-fitting, a press-fitting, and combinations
thereof.
36. The method as in claim 32, further comprising
attaching an electrical plug component to the transformer to connect the
transformer to the electrical power source.
37. The method as in claim 36, further comprising
attaching a dimmer switch proximate the electrical plug component, the
dimmer switch adapted to selectively adjust a resistance in an electrical
circuit between the electrical plug component and the transformer.
38. The method as in claim 29, wherein
connecting the lead wire to the capture and quick-release fitting of the
transformer comprises connecting the lead wire to the capture and
quick-release fitting that is selected from the group consisting of a
connector spring, a detent, a pressure plate, a leaf spring, an aperture
defining capture teeth and combinations thereof.

39. The method as in claim 29, further comprising
inserting a lamp in the lamp holder.
40. The method as in claim 29, further comprising
routing the lead wire in a non-linear orientation.
41. The method as in claim 29, wherein
providing a low voltage luminaire assembly kit having a lamp holder and a
transformer comprises providing a transformer having an electronic
protection system.
42. The method as in claim 41, wherein
providing a transformer having an electronic protection system comprises
providing a transformer having a built-in circuit breaker as the
electronic protection system.
43. A method for servicing a luminaire assembly, comprising the steps of:
disconnecting the luminaire assembly from a source of electrical power;
releasing electrical wires from one of a transformer and a lamp holder with
quick-release connections;
removing one of the transformer and lamp holder from an installation area;
attaching one of a replacement transformer and another lamp holder in the
installation area; and
reinserting the electrical wires in one of the replacement transformer and
the another lamp holder.
44. The method as in claim 43, further comprising
reconnecting the luminaire assembly to the electrical power source.

45. The method as in claim 43, further comprising
replacing the transformer with a higher rated transformer.
46. The method as in claim 43, further comprising
adjusting a position of one of the transformer and the lamp holder.
47. The method as in claim 46, wherein
adjusting the position comprises adjusting the position by selecting from
the group consisting of an adhesive, an adhesive tape, a screw, a bolt, a
nut, a rivet, a nail, a pin, a snap-fitting, a press-fitting, and
combinations thereof.
48. The method as in claim 43, further comprising
removing or inserting a plurality of bulbs.
49. A lighting assembly, comprising:
a lamp holder having an electrical power supply push-in wiring terminal
and an electrical power output push-in wiring terminal, said electrical
power supply push-in and output wiring terminals adapted for
respectively connecting and disconnecting an electrical power supply
wire and an electrical power output wire to said lamp holder.
50. The lighting assembly as in claim 49, wherein
said lamp holder has a mountable side adapted for mounting said lamp
holder to an object.
51. The lighting assembly as in claim 50, wherein
said mountable side is mountable by selecting from the group consisting of
an adhesive, an adhesive tape, a screw, a bolt, a nut, a snap-fitting, a
press-fitting, a rivet, a nail, a pin, and combinations thereof.

52. The lighting assembly as in claim 49, wherein
said electrical power supply push-in and output wiring terminals are
adapted for quickly releasing a wire.
53. The lighting assembly as in claim 49, wherein
a transformer has an input connector, said input connector adapted to
connect to said electrical power output connector of said lamp holder
with a lead wire.
54. The lighting assembly as in claim 53, wherein
said transformer includes a mountable side adapted to mount said
transformer to an object.
55. The lighting assembly of claim 54, wherein
said mountable side is mountable by selecting from the group consisting of
an adhesive, an adhesive tape, a screw, a bolt, a nut, a rivet, a nail, a
pin, a snap-fitting, a press-fitting, and combinations thereof.
56. The lighting assembly as in claim 53, wherein
said transformer has an electrical protection system.